



2500 Clay Edwards Drive
North Kansas City, MO
64116-3281

Stein 2400

February 8, 2008

James Mullauer
U.S. Nuclear Regulatory Commission
Materials Licensing Branch
2443 Warrenville Road, suite 210
Lisle, Illinois 60532-4352

Re: License No. 24-18628-01

The following are follow-up to the faxed communication you sent dated January 24, 2008 as a follow-up on our request to amend our license in a letter dated September 21, 2008.

1. Delete the facility listed in Item 10(b) of the license.

Please see the accompanying amendment letter dated April 14, 1999 and the required decommissioning information at that time.

2. Change the RSO to Dr. Underwood.

Please see the attached letter from our current RSO Dr. Kenneth Arnett.

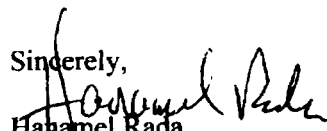
3. Please add Drs. Christopher Formen, Timothy Waltner and Patrick O'Keefe to our NRC license for: 35.100, 35.200, 35.300 and 31.11.

Please see the accompanying documents

4. Scott Cozad, M.D. for HDR use.

In a telephone conversation between James Mullauer and Martin Richman, Physicist in our Radiation Oncology department has agreed that the possession limits of 35.400 material include 300 millicuries of Cesium-137 and 200 millicuries of Iridium-192. The possession limit of Iridium-192 used for HDR has been lowered from 21 curies to 20 curies.

Please don't hesitate to call me at (816) 691-5201 if you have any questions.

Sincerely,

Hannahel Rada
Radiology Manager

RECEIVED FEB 20 2008

April 14, 1999

U.S. Nuclear Regulatory Commission
Regional Licensing Section
801 Warrenville Road
Lisle, Il. 60532-4351

Re: Amendment of License # 24-18628-01

Gentlemen:

We wish to amend the Radioactive Materials License number referred above as outlined below. We have enclosed a \$450.00 amendment fee check for this request.

1. We have removed the gamma camera located in our office building (Medical Plaza North). A thorough closeout survey has been performed (see accompanying survey) in preparation for the decommissioning of the area. We will wait for your response to this closeout survey before releasing the room for remodeling.

We wish to have the following individuals listed as authorized users on our license:

John H. McMillan, M.D. for materials in 10 CFR 35.100, 35.200 (excluding Generators and Xe-133, 35.300, and 35.11.

Michelle L. Pal, M.D. for materials in 10 CFR 35.100, 35.200 (excluding Generators and Xe-133) 35.300, and 35.11. *OK*

Kelly Rhodes-Stark, M.D. for materials in 10 CFR 35.400 *OK*

Enclosed are: Supplement A- Preceptor Statement and a copy of a Kansas license for Dr. McMillan.

A copy of Materials License Supplementary Sheet for Dr. Pal
NRC License # 24-26475-01

Certification in Radiation Oncology by the American Board of Radiology and Materials License supplementary Sheet for NRC License # 24-006202, for Dr. Rhodes-Stark.

3. Delete Max S. Laguerre, M.D., as an authorized user.

2800 Clay Edwards Drive
North Kansas City, MO
64116-3281

(816)691-2000

*OK
Fax Copy of 5/5/99
of Attached sheet
630 515-1259
Ref Additional Info to
Control #
305178*

*Call License Number
of IRHC*

*Dr. John McMillan on
NRC License # 24
at Independence
Region 9*



2800 Clay Edwards Drive
North Kansas City, MO
64116-3281

(816)691-2000

If you need additional information, please do not hesitate to call.

Sincerely,



Matt Foresman, Vice President
Professional Services

NRC License # 24-18628-01

Northland Cardiology Area Decommission

Survey done 4-14-1999 and performed by Chris Angel, CNMT.

Meter used: Victoreen serial # 599. Probe # n/a. Last calibration date 2-11-1999
Range I R - .01 mRcm/hr

Wipe test counter: Picker scaler serial # 225090; Ludlum well serial # 187-246
Last calibration date for both 4-7-1999
Efficiency for Tc 99m (CO57) = 87.2 % = 1.15 correction factor
Efficiency for Cs 137 = 15.2% = 6.58 correction factor

Net sample counts x Efficiency factor = Removable contamination

Cleaning Level: must be < 2000 DPMs

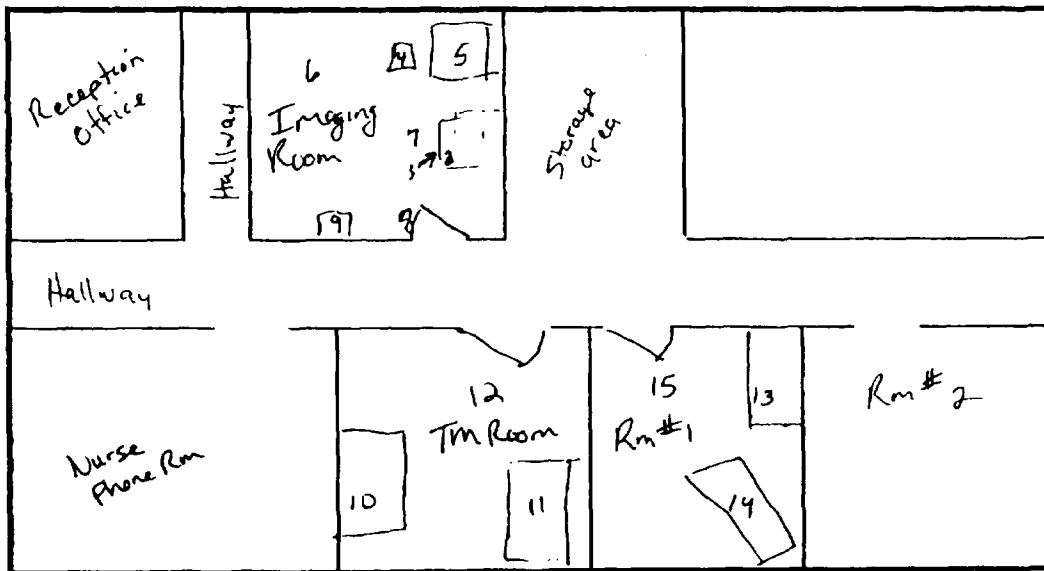
Istopes used and stored at this site: Tc-99m in the form of liquid waste from syringes and IV catheter sites
Tl-201 in the form of liquid waste from syringes and IV catheter sites
Cs137 in the form of seal solid vial for calibrations (in original lead container)

No major or minor spills in this area.

No leaking of the Cs137 sealed source.

No drains. the only physical structure in the room is a cabinet with counter top.

All other items that were in the room were moved to the Nuclear Medicine Department in the Hospital.



not to scale

Area	CPM	Net CPM	DPM For Tc99m	DPM for Cs137	mRem/Hr
Background	1269				.05
1. Cabinet upper	1231	38	44	250	.05
2. Counter Top	1361	92	106	605	.05
3. Lower cabinet	1180	0	0	0	.05
4. Table	1257	0	0	0	.05
5. Chair	1230	0	0	0	.05
6. floor-camera	1232	0	0	0	.05
7. floor- cabinet	1065	0	0	0	.05
8. floor- doorway	1004	0	0	0	.05
9. Phone- wall	1191	0	0	0	.05
10. table TM room	1333	64	74	421	.05
11. Treadmill	1095	0	0	0	.05
12. Floor tm room	1317	48	55	316	.05
13. Rm 1 counter top	1369	100	115	658	.05
14. rm 1 table	1233	0	0	0	.05
15 floor rm 1	1203	0	0	0	.05

February 5, 2008

U.S. Nuclear Regulatory Commission
Materials Licensing Branch
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

Re: License # 24-18628-01

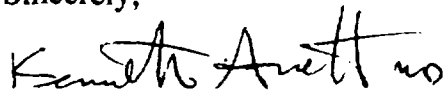
Gentlemen:

We wish to have John Underwood, M.D. listed as the Radiation Safety Officer on our radioactive materials license. Dr. Underwood is currently listed as an authorized user on the license.

We wish to be exempt from the attestation requirement in 10 CFR 35.50 (d) as allowed under 10 CFR 35.19.

If you have any questions concerning this request, please do not hesitate to call me at (816)-691-5201.

Sincerely,



Kenneth Arnett M.D.
Radiation Safety Officer

The American Board of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine
Hensby certifies that

Timothy Owen Waltner, MD

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology

On this sixth day of November, 2006

Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Diagnostic Radiology

AM Eligible



Certificate No. 52349

Ray O. Alderman, MD
President

Lith Eicken
Secretary-Treasurer

R.P. Hatten, MD
Executive Director



Valid through 2016

American Board of Radiology – Program Director Attestation

COMPLIANCE WITH NRC TRAINING AND EXPERIENCE REQUIREMENTS

More information can be found at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/cfr/part035/part035-0290.html>

Tim O. Waltner
Resident Name

Univ. of Kansas Medical Center 17-01-01-2
Program Program #

- | | YES | NO |
|---|-------------------------------------|--------------------------|
| By the time of the ABR oral examination, this applicant will have successfully completed the hours of training and experience as outlined in 10 CFR 35.290 and 35.392..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| This applicant has taken part in ≥ 3 cases of oral administration of I-131 therapy ($\leq 33\text{mCi}$)..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| The resident's logbook of these therapy experiences (date, dose, and preceptor) is attached..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| The work and experience cited above for § 35.290 was obtained under the supervision of an Authorized User (AU) who meets the requirements under relevant sections of § 35.290 or equivalent Agreement State requirements..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| The work and experience cited above for § 35.392 was obtained under the supervision of an Authorized User (AU) who meets the requirements under § 35.390, 35.392 or 35.394 or equivalent Agreement State requirements..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Philip Johnson
Residency Program Director
(Print Name)

Philip Johnson
Program Director
(Signature)

4/19/06
Date

I-131 Therapy Experience

Tim O. Walter
Resident Name

17-01-01-2
Program & Number

	<u>Date</u>	<u>Dose Administered</u>	<u>Preceptor (AU) Print & Sign Name</u>
1.	<u>7/2/02</u>	<u>19 mCi</u>	<u>Reginald W. DUSING, MD</u> Print Name <u>[Signature]</u> Sign Name
2.	<u>7/3/02</u>	<u>15 mCi</u>	<u>[Signature]</u> Print Name <u>[Signature]</u> Sign Name
3.	<u>7/8/02</u>	<u>20.8 mCi</u>	<u>[Signature]</u> Print Name <u>[Signature]</u> Sign Name
4.	<u>7/9/02</u>	<u>151.7 mCi</u>	<u>[Signature]</u> Print Name <u>[Signature]</u> Sign Name

The American Board of Radiology

*Organized through the cooperation of the
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the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine*

Hereby certifies that

Patrick Willson O'Keefe, MD

*Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of*

The American Board of Radiology

On this fourteenth day of June, 2006

*Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of*

Diagnostic Radiology



Certificate No. 52463

Ray O. Anderson, MD
President

Lith Eichen
Secretary-Treasurer

R.P. Hatten, MD
Executive Director



Valid through 2016

American Board of Radiology – Program Director Attestation

COMPLIANCE WITH NRC TRAINING AND EXPERIENCE REQUIREMENTS

More information can be found at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/cfr/part035/part035-0290.html>

Patrick O'Keefe
Resident Name

University of Missouri-Kansas City
Program

26-02-06-Z
Program #

By the time of the ABR oral examination, this applicant will have successfully completed 700 hours of training and experience as outlined in 10 CFR 35.290.....

Yes No

This applicant has taken part in ≥ 3 cases of I-131 therapy ($\leq 33\text{mCi}$).....

The resident's logbook of these therapy experiences (date, dose, preceptor) is attached.....

All the training and experience cited above was obtained under the supervision of an authorized user who meets the requirements under § 35.290 and relevant sections of § 35.390 or equivalent Agreement State requirements.....

G. DAVID DIXON, MD
Residency Program Director
(Print Name)

[Signature]
Program Director
(Signature)

2/15/06
Date

American College of Radiology



*Be it known by these presents that the American College of Radiology
has conferred the degree of*

Member

upon

Christopher C. Forman, M.D.

*In witness thereof the seal of the College and the
signatures of its accredited officers are hereto affixed.*

Given this first day of January, 2007.



Samy D. Rossman,
PRESIDENT

Arl Kim Moon
CHAIRMAN OF THE BOARD OF CHANCELLORS

Paul H. Ellenbogen, M.D.
SECRETARY

American Board of Radiology – Program Director Attestation

COMPLIANCE WITH NRC TRAINING AND EXPERIENCE REQUIREMENTS

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CHRISTOPHER FOREMAN MD University of Missouri 26-02-06-2
Kansas City
Resident Name Program Program #

By the time of the ABR oral examination, this applicant will have successfully completed 700 hours of training and experience as outlined in 10 CFR 35.290.....

Yes No

This applicant has taken part in ≥ 3 cases of I-131 therapy ($\leq 33\text{mCi}$).....

The resident's logbook of these therapy experiences (date, dose, preceptor) is attached.....

All the training and experience cited above was obtained under the supervision of an authorized user who meets the requirements under § 35.290 and relevant sections of § 35.390 or equivalent Agreement State requirements.....

G. DAVID DIXON MD
Residency Program Director
(Print Name)

[Signature]
Program Director
(Signature)

3/9/06
Date

DEPARTMENT OF RADIOLOGY
NORTH KANSAS CITY HOSPITAL
2800 CLAY EDWARDS DRIVE
NORTH KANSAS CITY, MO 64116



U.S. Nuclear Regulatory Commission
Materials Licensing Branch
2443 Warrenville Road, Suite 210
Lisle, ILLINOIS 60532-4352

ATTENTION: James Mullauer